Editorial Department.

REVIEWS AND BIBLIOGRAPHICAL NOTICES.

PAGET'S SURGICAL PATHOLOGY.

[Continued.]

Mr. Paget embraces in his theory the doctrine of complemental nutrition, first taught by C. F. Wolff, illustrating the subject as follows:

"A great change in nutrition rarely takes place in a single organ at a time; for example, the growth of the beard at the period of puberty in man, the growth and perfection of the plumage of the bird at breeding time; but as in man, when the development of the genital organs is prevented, that of the beard and all other external sexual characters is, as a consequence, hindered, so in birds, when the breeding season ends, and the sexual organs pass gradually into their periodic atrophy, at once the plumage begins to assume the pale and more sober colors, which characterizes the barrenness of winter." He next refers to certain interesting specimens presented to the museum by Sir Philip Egerton, showing the interesting fact, "that if a buck be castrated while his antlers are still covered with velt, their growth is checked, they remain as if truncated, and irregular nodules of bone project from their surfaces." "The fact is not, hitherto, explained; it is inexplicable, by believing that the materials which, in the formation of these organs of external sexual character, are removed from the blood, leave or maintain the blood in the state necessary for the further development, growth and active function of the proper sexual or reproductive organs." "The concurrent development of the thymus gland and air breathing organs during the body's growth of the thyroid gland and the brain, (instances

455-A

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2.—*Monthly Mean of Temperature, Fahrenheit.*

JANUARY.

YEAR.	6 A. M.	9 A. M.	12 M.	3 P. M.	6 P. M.	9 P. M	MEAN OF MONTH.
1861	26.9	29.5	35.3	37.4	33.5	30.8	32.2
1862	27.1	27.3	30.1	30.7	29.5	28.5	28.9
1863	31.9	34.0	39.4	41.2	38.3	36.1	36.8
1864	22.6	25.2	32.6	35.1	31.5	28.0	29.2
1865	21.9	24.2	31.5	33.1	30.2	27.9	28.1
1866	27.0	29.1	34.8	36.8	33.8	31.5	32.2
Mean	26.2	28.2	33.9	35.7	32.8	30.5	31.2

FEBRUARY.

1861	34.2	35.4	43.7	46.7	42.8	39.7	40.4
1862	23.9	27.0	33.6	35.9	31.9	29.2	30.2
1863	31.3	33.7	38.7	39.4	36 6	34.4	35.7
1864	30.4	34.4	42.2	45.5	40.9	36.4	38.3
1865	33.4	36.1	41.7	43.3	39.4	36.8	38.4
1866	27.3	30.0	37.0	38.7	35.2	32.5	33.4
Mean	30.1	32.8	39.5	41.6	37.8	34.8	36.1

3.—*Monthly Mean of Relative Humidity.*

JANUARY.

YEAR	6 A. M.	9 A. M.	12 M.	3 P. M.	6 P. M.	9 P. M.	MEAN OF MONTH.
1861	.....	.....	.....	.....	.....	.....	72.2
1862	91.5	87.5	78.5	79.0	85.2	90.0	85.3
1863	94.1	83.9	75.0	71.9	79.3	86.0	81.7
1864	90.8	79.3	65.9	62.7	75.4	79.8	75.6
1865	89.3	77.5	64.3	62.8	73.7	79 9	74.6
1866	87.1	77.1	67.2	65.3	74.6	79.1	75.1
Mean	90.6	81.1	70.2	68.3	77.6	82.9	77.4

FEBRUARY.

1861	.....	.....	.....	.....	.....	.....	63.3
1862	89.1	79.2	65.8	61.5	72.2	75.5	73.9
1863	94.1	83.9	75.0	71.9	79.3	86.0	81.7
1864	79.0	65.0	53.5	49.0	59.9	70.0	62.7
1865	86.2	73.8	63.7	60.8	70.8	76.7	72.0
1866	85.3	70.8	62.9	59.5	68.6	76.5	70.6
Mean	86.8	74.5	64.2	60.5	70.2	76.9	70.7

Errata. In the last No. of *Journal*, on page 70, line 6, for the word "*destination*" read *declination*.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

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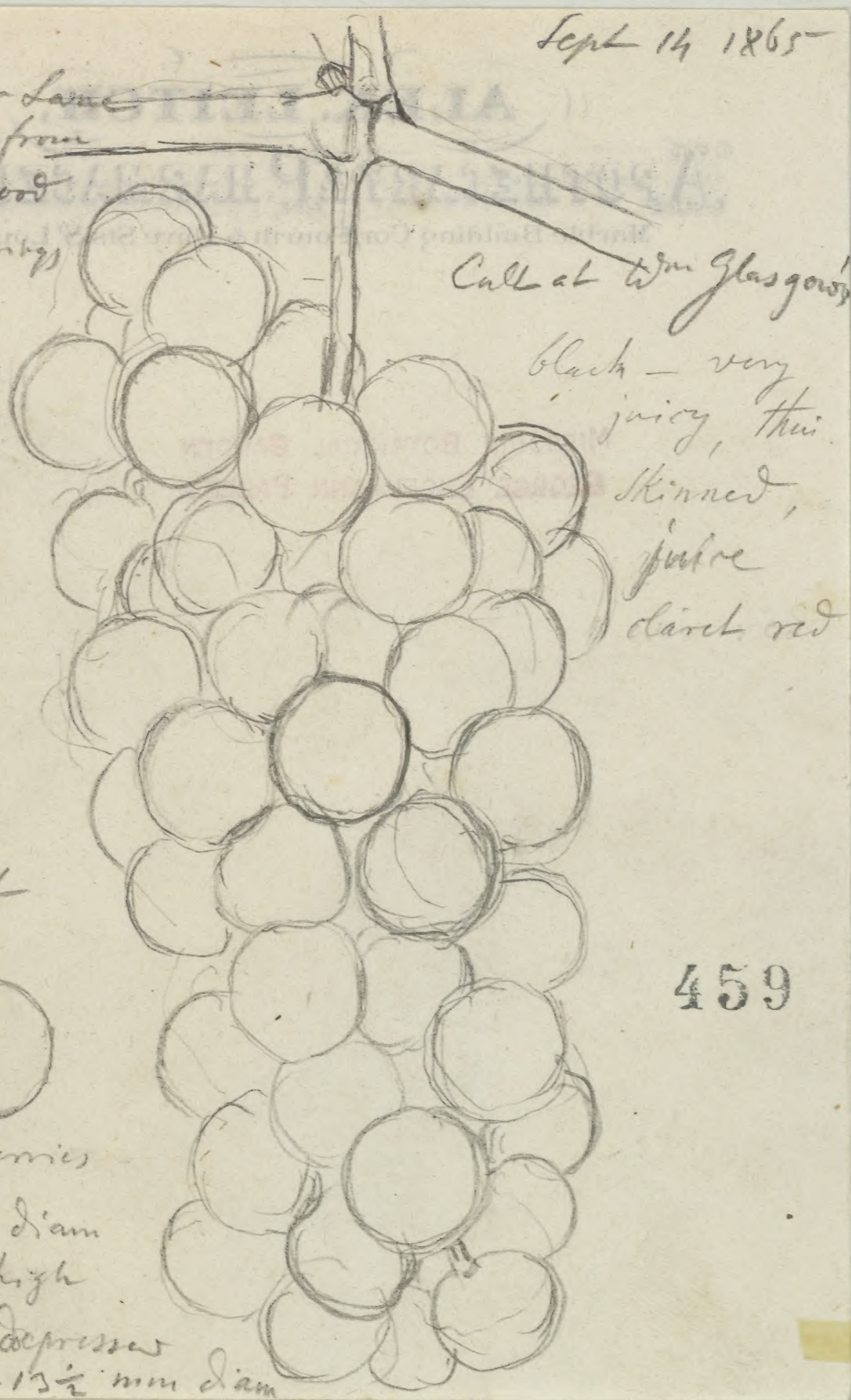
Vitis

Sept 14 1865

Dr. W. Carr Lane
imported from
neighborhood
of Hot Springs
Ark,
when said
to be wild



Call at Wm Glasgow's

black — very
juicy, thin
skinned,
flavor
dark red

pedicels short

Largest berries

14,3 mm diam
13 m high
very little depressed
mostly 13–13½ mm diam

459

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Vitis

Octob 9 1866

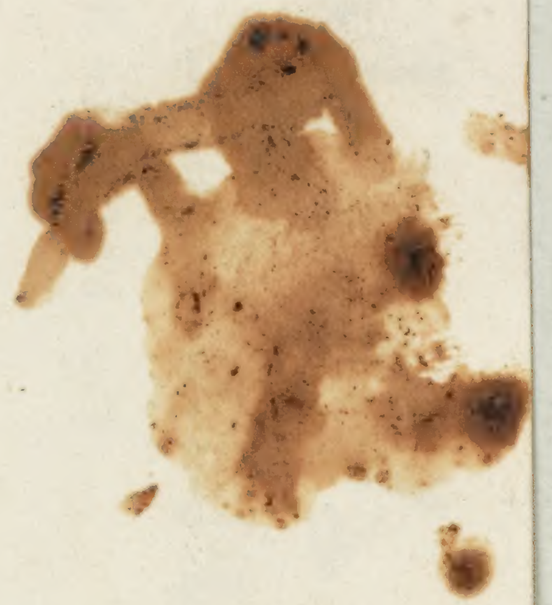
imported from Hot Springs Arkansas
with firm smooth below glaucous leaf and
glaucous branches — fruit overripe, Turning
Deep black blue (not black), with strong pale acid bloom
depressed ; pulp pale

same as one figured
Sept 14 1865

size of berries

diam 13½ – 15 mm
height 12½ – 13½ mm

×4



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Glasgow's Vineyard

461

3 ♀ 2 ♂ 1 ♀

Old Teal ♂5

4 no fl

6 ♀

7 ♂

Mr Glasgow's Arkansas grape

June 15 1867 scarcely in bloom — very late season, Clusters full bloom Catawba flowered last week ago — now with young fruit

wild ♂ grape not yet in bloom

N. 8 ♀ east of House, near Wistaria

over

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Deutsche Apotheke.

G. KOBBE & Co.

Ecke der 4ten und Almondstraße. ST. LOUIS, Mo.

No. 1 is the origine Glogow Hot-Spring Grapevine which bore delicious fruit in 1865 and 1866 and from which I have raised seedlings.

1 - 3 are all plants of the same

1. 3. 6. ♂ bear perfect flowers

2. 5 & 7 — staminate

4 no flowers this season

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

× 10

Hot spring Grape at Glasgow's

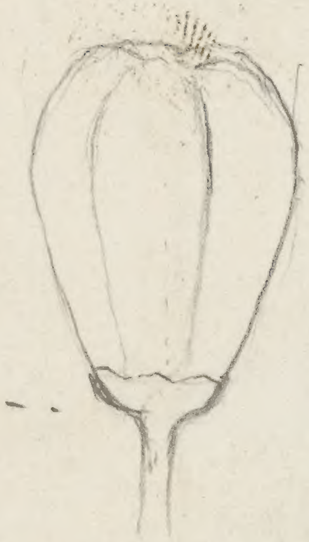
462

June 15 1867

beginning to bloom today

[season 2 weeks later than usual
A. tortuosa in full bloom

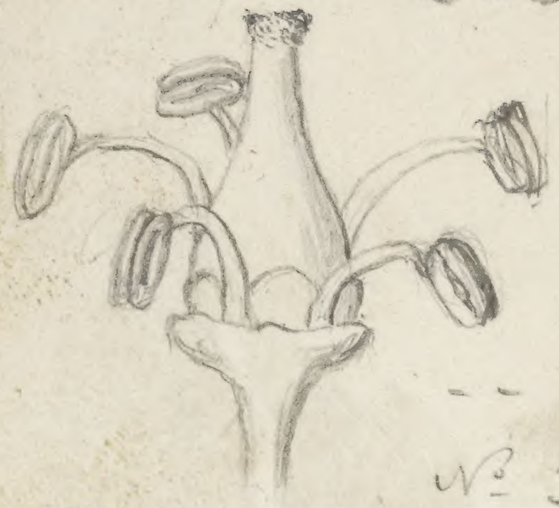
№ 2



filament in bud outside

Pollen × 415

flowers (especially hermaphrodite ones) more usually 6 × 7 parted rarely 4 parted



№ 3

flament in bud outside

Pollen in both quite equal, very transparent perhaps a little larger in hermaphr. flowers

Pollen × 415

Pollen of № 1 sometimes as large as this

the wild V. vestivalis ? on Glasgow's Plantation has same Pollen

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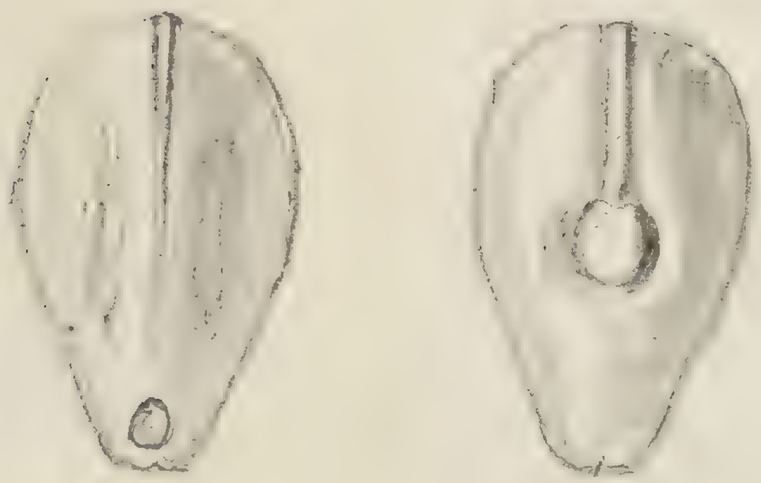

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HENRY EHRHARDT,

PHARMACEUTICAL CHEMIST,

No. 301 South Fifth Street, Cor. Myrtle, ST. LOUIS.

Dear

187

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Dear Sir, 187

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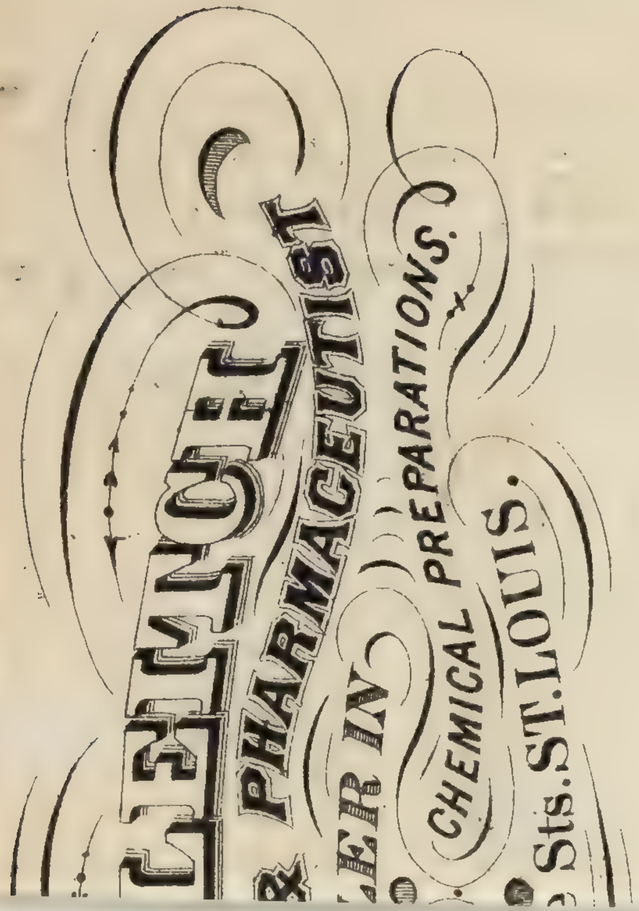
Nov. 1890

Nov, in November very small
and pinkish — Keeps 1–2
days 3



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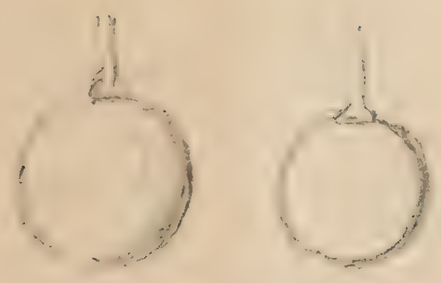
Utricularia

"Bathinii Kappii"

Angelmann coll.

Oct 21 1874



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Visit destitute at Almond

Iowa & Butler

How far north ?

469

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Dr L Mu Dec 76-78

Dr Geo. Engelmann

Dr Parry

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Virginica seedling & Cynthiana are very closely allied.

The former has often 3 and even 4 seeds in succession, though mostly regularly intermittent.

A. A. Eaton, Jun 1874

470

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Cal June 12, 1874

[illegible] for
for Dr Brauns

[illegible] for by Scott
Co. Tennessee
elected in East
Prof. Bradley can
know whether it
of the Spec. Iden-
ens — Ohio is
reaches for a
Mr Sandwich
Mails.
[illegible] as for walks

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Ulti Linarecanni Buckley Proc Ac Phil
1861 p. 451

ramis decumbentibus 4–6 pedal 471
foliis magnis reniformi-cordatis obtegni
vel 5–lobatis obtusis crenato-dentatis
dentibus submucronatis, supernè glabri-
usculis subtus duse arachnoideo-pubo-
tomentosis et petiolis et junioribus hoc
ramis racemi compositi foliis
brevioribus, bacris purpureis gusto
acido grato–. Texas & Louisiana

Leaves larger than in any other
American species 6–10 inches wide
and nearly as long — berry 3/4 inch
diam juicy, purple acid.

See patent Office Report for 1861

GEORG ENGELMANN HAFNIS

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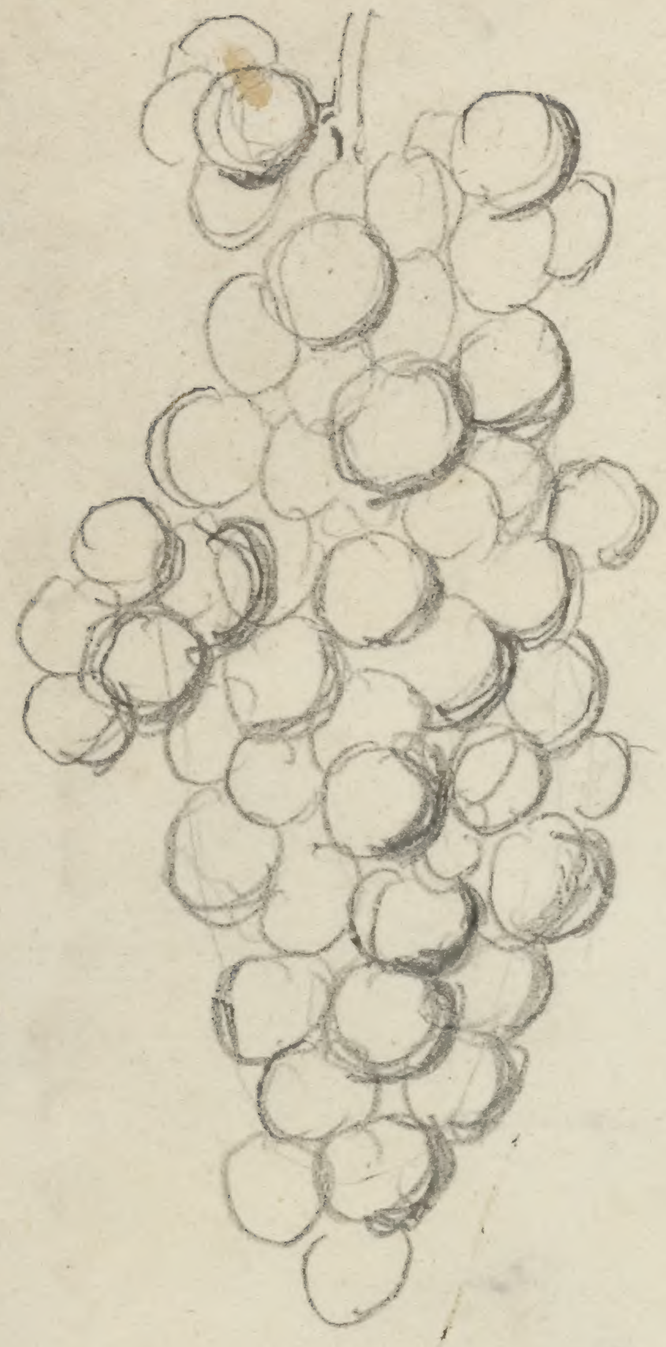
Vitis

Oct 7. 1879

"Mountain Grape" West Texas

J. Macoun ms
Sept 1879



9 8 7 mm.

berries 7-9 mm diam
usually abt 8 mm
Colouring matter slight
1-3 seeds in each berry

×4

Small compact
Bunches

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July 23 1882

V. monticola
wild, Meusebach

Cult. San Antonio
Ludwig

473

× 4

single seed

2 seeds

2 seeds

lower edge of chalaza in
the centre of the seed

seeds 5½ - 6 mm long
2½ - 2¾ long
not stalked

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